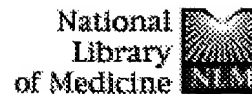


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| L10 | ((514/2)!.CCLS.) | 5605 | L10 |
| L9 | L8 AND amyloid | 27 | L9 |
| L8 | L6 AND L7 | 362 | L8 |
| L7 | D-amino-acid OR disubstituted-amino-acid OR N-alkyl OR lactic OR hydroxyproline OR carboxyglutamate OR trimethyllysine OR acetyllysine OR phosphoserine OR acetylserine OR formylmethionine OR methylhistidine OR hydroxylysine OR methylarginine OR isoaspartic | 96249 | L7 |
| L6 | ((424/184.1 424/185.1)!.CCLS.) | 2973 | L6 |
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☐ 1: [Frankel A, Millward SW, Roberts RW.](#)

[Related Articles, Links](#)

Encodamers. Unnatural Peptide oligomers encoded in RNA.

Chem Biol. 2003 Nov;10(11):1043-50.

PMID: 14652071 [PubMed - in process]

☐ 2: [Frankel A, Li S, Starck SR, Roberts RW.](#)

[Related Articles, Links](#)

Unnatural RNA display libraries.

Curr Opin Struct Biol. 2003 Aug;13(4):506-12.

PMID: 12948781 [PubMed - in process]

☐ 3: [Towers GJ, Hatzioannou T, Cowan S, Goff SP, Luban J, Bieniasz PD.](#)

[Related Articles, Links](#)

Cyclophilin A modulates the sensitivity of HIV-1 to host restriction factors.

Nat Med. 2003 Sep;9(9):1138-43. Epub 2003 Aug 03.

PMID: 12897779 [PubMed - indexed for MEDLINE]

☐ 4: [Martens S, Forkmann G, Britsch L, Wellmann F, Matern U, Lukacin R.](#)

[Related Articles, Links](#)

Divergent evolution of flavonoid 2-oxoglutarate-dependent dioxygenases in parsley.

FEBS Lett. 2003 Jun 5;544(1-3):93-8.

PMID: 12782296 [PubMed - indexed for MEDLINE]

☐ 5: [Becker CF, Hunter CL, Seidel R, Kent SB, Goody RS, Engelhard M.](#)

[Related Articles, Links](#)

Total chemical synthesis of a functional interacting protein pair: the protooncogene H-Ras and the Ras-binding domain of its effector c-Raf1.

Proc Natl Acad Sci U S A. 2003 Apr 29;100(9):5075-80. Epub 2003 Apr 18.

PMID: 12704243 [PubMed - indexed for MEDLINE]

☐ 6: [Hebach C, Kazmaier U.](#)

[Related Articles, Links](#)

Via Ugi reactions to conformationally fixed cyclic peptides.

Chem Commun (Camb). 2003 Mar 7;(5):596-7.

PMID: 12669842 [PubMed - indexed for MEDLINE]

☐ 7: [Maier TH.](#)

[Related Articles, Links](#)

Semisynthetic production of unnatural L-alpha-amino acids by metabolic engineering of the cysteine-biosynthetic pathway.

Nat Biotechnol. 2003 Apr;21(4):422-7. Epub 2003 Mar 17.

PMID: 12640465 [PubMed - indexed for MEDLINE]

☐ 8: [Johnson MA, Hoog C, Pinto BM.](#)

[Related Articles, Links](#)

A novel modeling protocol for protein receptors guided by bound-ligand conformation.


Biochemistry. 2003 Feb 25;42(7):1842-53.


PMID: 12590571 [PubMed - indexed for MEDLINE]


☐ 9: [Gatto GJ Jr, Maynard EL, Guerrero AL, Geisbrecht BV, Gould SJ.](#)


[Related Articles, Links](#)


Berg JM.

-  **Correlating structure and affinity for PEX5:PTS1 complexes.**
 Biochemistry. 2003 Feb 18;42(6):1660-6.
 PMID: 12578380 [PubMed - indexed for MEDLINE]


 **10:** [Cerovsky V, Welker E, Scheraga HA.](#) Related Articles, Links


-  **A convenient incorporation of conformationally constrained 5,5-dimethylproline into the ribonuclease A 89-124 sequence by condensation of synthetic peptide fragments.**
 J Pept Res. 2003 Mar;61(3):140-51.
 PMID: 12558949 [PubMed - indexed for MEDLINE]


 **11:** [Crichton EG, Bedows E, Miller-Lindholm AK, Baldwin DM, Armstrong DL, Graham LH, Ford JJ, Gjørret JO, Hyttel P, Pope CE, Vajta G, Loskutov NM.](#) Related Articles, Links

-  **Efficacy of porcine gonadotropins for repeated stimulation of ovarian activity for oocyte retrieval and in vitro embryo production and cryopreservation in Siberian tigers (*Panthera tigris altaica*).**
 Biol Reprod. 2003 Jan;68(1):105-13.
 PMID: 12493701 [PubMed - indexed for MEDLINE]


 **12:** [Yoder NC, Kumar K.](#) Related Articles, Links

-  **Fluorinated amino acids in protein design and engineering.**
 Chem Soc Rev. 2002 Nov;31(6):335-41. Review.
 PMID: 12491748 [PubMed - indexed for MEDLINE]


 **13:** [Chaltin P, Borgions F, Van Aerschot A, Herdewijn P.](#) Related Articles, Links

-  **Comparison of library screening techniques used in the development of dsDNA ligands.**
 Bioorg Med Chem Lett. 2003 Jan 6;13(1):47-50.
 PMID: 12467614 [PubMed - indexed for MEDLINE]


 **14:** [Thoen JC, Morales-Ramos AI, Lipton MA.](#) Related Articles, Links

-  **Synthesis of the unnatural amino acid AGDHE, a constituent of the cyclic depsipeptides callipeltins A and D.**
 Org Lett. 2002 Dec 12;4(25):4455-8.
 PMID: 12465911 [PubMed - indexed for MEDLINE]


 **15:** [Anthony-Cahill SJ, Magliery TJ.](#) Related Articles, Links


-  **Expanding the natural repertoire of protein structure and function.**
 Curr Pharm Biotechnol. 2002 Dec;3(4):299-315. Review.
 PMID: 12463414 [PubMed - indexed for MEDLINE]


 **16:** [Kesavan V, Tamilarasu N, Cao H, Rana TM.](#) Related Articles, Links

-  **A new class of RNA-binding oligomers: peptoid amide and ester analogues.**
 Bioconj Chem. 2002 Nov-Dec;13(6):1171-5.
 PMID: 12440849 [PubMed - indexed for MEDLINE]





















 **17:** [Hirao I, Yokoyama S.](#) Related Articles, Links











-  **[Creation of unnatural base pairs: the expansion of the genetic code]**
 Tanpakushitsu Kakusan Koso. 2002 Nov;47(14):1904-13. Review. Japanese. No abstract available.
 PMID: 12428374 [PubMed - indexed for MEDLINE]

 **18:** [Sia SK, Carr PA, Cochran AG, Malashkevich VN, Kim PS.](#) Related Articles, Links

-  **Short constrained peptides that inhibit HIV-1 entry.**
 Proc Natl Acad Sci U S A. 2002 Nov 12;99(23):14664-9. Epub 2002 Nov 04.


PMID: 12417739 [PubMed - indexed for MEDLINE]


-  **19:** [Rockway TW, Nienaber V, Giranda VL.](#) [Related Articles, Links](#)
 **Inhibitors of the protease domain of urokinase-type plasminogen activator.**
Curr Pharm Des. 2002;8(28):2541-58. Review.
PMID: 12369939 [PubMed - indexed for MEDLINE]
-  **20:** [Hofmann RM, Muir TW.](#) [Related Articles, Links](#)
 **Recent advances in the application of expressed protein ligation to protein engineering.**
Curr Opin Biotechnol. 2002 Aug;13(4):297-303. Review.
PMID: 12323349 [PubMed - indexed for MEDLINE]
-  **21:** [Eisenhauer BM, Hecht SM.](#) [Related Articles, Links](#)
 **Site-specific incorporation of (aminooxy)acetic acid into proteins.**
Biochemistry. 2002 Sep 24;41(38):11472-8.
PMID: 12234190 [PubMed - indexed for MEDLINE]
-  **22:** [Zhang Z, Chaltin P, Van Aerschot A, Lacey J, Rozenski J, Busson R, Herdewijn P.](#) [Related Articles, Links](#)
 **New dsDNA binding unnatural oligopeptides with pyrimidine selectivity.**
Bioorg Med Chem. 2002 Nov;10(11):3401-13.
PMID: 12213453 [PubMed - indexed for MEDLINE]
-  **23:** [Li S, Millward S, Roberts R.](#) [Related Articles, Links](#)
 **In vitro selection of mRNA display libraries containing an unnatural amino acid.**
J Am Chem Soc. 2002 Aug 28;124(34):9972-3. No abstract available.
PMID: 12188645 [PubMed - indexed for MEDLINE]
-  **24:** [Chakraborty TK, Jayaprakash S, Ghosh S.](#) [Related Articles, Links](#)
 **Sugar amino acid based scaffolds--novel peptidomimetics and their potential in combinatorial synthesis.**
Comb Chem High Throughput Screen. 2002 Aug;5(5):373-87. Review.
PMID: 12180903 [PubMed - indexed for MEDLINE]
-  **25:** [Schnarr NA, Kennan AJ.](#) [Related Articles, Links](#)
 **Peptide tic-tac-toe: heterotrimeric coiled-coil specificity from steric matching of multiple hydrophobic side chains.**
J Am Chem Soc. 2002 Aug 21;124(33):9779-83.
PMID: 12175236 [PubMed - indexed for MEDLINE]
-  **26:** [Butterfield SM, Patel PR, Waters ML.](#) [Related Articles, Links](#)
 **Contribution of aromatic interactions to alpha-helix stability.**
J Am Chem Soc. 2002 Aug 21;124(33):9751-5.
PMID: 12175233 [PubMed - indexed for MEDLINE]
-  **27:** [Anderson RD 3rd, Zhou J, Hecht SM.](#) [Related Articles, Links](#)
 **Fluorescence resonance energy transfer between unnatural amino acids in a structurally modified dihydrofolate reductase.**
J Am Chem Soc. 2002 Aug 21;124(33):9674-5. No abstract available.
PMID: 12175203 [PubMed - indexed for MEDLINE]
-  **28:** [Liu R, Marik J, Lam KS.](#) [Related Articles, Links](#)
 **A novel peptide-based encoding system for "one-bead one-compound" peptidomimetic and small molecule combinatorial libraries.**
J Am Chem Soc. 2002 Jul 3;124(26):7678-80.
PMID: 12083920 [PubMed - indexed for MEDLINE]


- ☐ **29:** [Porter EA, Weisblum B, Gellman SH.](#) [Related Articles, Links](#)
 **Mimicry of host-defense peptides by unnatural oligomers: antimicrobial beta-peptides.**
J Am Chem Soc. 2002 Jun 26;124(25):7324-30.
PMID: 12071741 [PubMed - indexed for MEDLINE]
- ☐ **30:** [Chhabra SR, Mahajan A, Chan WC.](#) [Related Articles, Links](#)
 **Homochiral 4-azalysine building blocks: syntheses and applications in solid-phase chemistry.**
J Org Chem. 2002 Jun 14;67(12):4017-29.
PMID: 12054934 [PubMed - indexed for MEDLINE]
- ☐ **31:** [Li M, Cui D, Zhang Y.](#) [Related Articles, Links](#)
 **Isosteric replacement of A3 Val of porcine insulin by allo-Thr.**
IUBMB Life. 2002 Jan;53(1):57-60.
PMID: 12018409 [PubMed - indexed for MEDLINE]
- ☐ **32:** [Nowick JS, Lam KS, Khasanova TV, Kemnitzer WE, Maitra S, Mee HT, Liu R.](#) [Related Articles, Links](#)
 **An unnatural amino acid that induces beta-sheet folding and interaction in peptides.**
J Am Chem Soc. 2002 May 8;124(18):4972-3. No abstract available.
PMID: 11982357 [PubMed - indexed for MEDLINE]
- ☐ **33:** [Rozenski J, Chaltin P, Aerschot AV, Herdewijn P.](#) [Related Articles, Links](#)
 **Characterization and sequence confirmation of unnatural amino acid containing peptide libraries using electrospray ionization mass spectrometry.**
Rapid Commun Mass Spectrom. 2002;16(10):982-7.
PMID: 11968131 [PubMed - indexed for MEDLINE]
- ☐ **34:** [Lee KH.](#) [Related Articles, Links](#)
 **Development of short antimicrobial peptides derived from host defense peptides or by combinatorial libraries.**
Curr Pharm Des. 2002;8(9):795-813. Review.
PMID: 11945172 [PubMed - indexed for MEDLINE]
- ☐ **35:** [Chakraborty TK, Ghosh S, Jayaprakash S.](#) [Related Articles, Links](#)
 **Sugar amino acids and their uses in designing bioactive molecules.**
Curr Med Chem. 2002 Feb;9(4):421-35. Review.
PMID: 11945118 [PubMed - indexed for MEDLINE]
- ☐ **36:** [Campbell KM, Sholders AJ, Lumb KJ.](#) [Related Articles, Links](#)
 **Contribution of buried lysine residues to the oligomerization specificity and stability of the fos coiled coil.**
Biochemistry. 2002 Apr 16;41(15):4866-71.
PMID: 11939781 [PubMed - indexed for MEDLINE]
- ☐ **37:** [Strom MB, Haug BE, Rekdal O, Skar ML, Stensen W, Svendsen JS.](#) [Related Articles, Links](#)
 **Important structural features of 15-residue lactoferricin derivatives and methods for improvement of antimicrobial activity.**
Biochem Cell Biol. 2002;80(1):65-74. Review.
PMID: 11908644 [PubMed - indexed for MEDLINE]
- ☐ **38:** [Moore BS, Hertweck C.](#) [Related Articles, Links](#)
 **Biosynthesis and attachment of novel bacterial polyketide synthase starter units.**


Nat Prod Rep. 2002 Feb;19(1):70-99. Review.
PMID: 11902441 [PubMed - indexed for MEDLINE]


-  **39:** [Wang B, Brown KC, Lodder M, Craik CS, Hecht SM.](#) Related Articles, Links


 **Chemically mediated site-specific proteolysis. Alteration of protein-protein interaction.**
Biochemistry. 2002 Feb 26;41(8):2805-13.
PMID: 11851428 [PubMed - indexed for MEDLINE]


-  **40:** [Witucki LA, Huang X, Shah K, Liu Y, Kyin S, Eck MJ, Shokat KM.](#) Related Articles, Links

 **Mutant tyrosine kinases with unnatural nucleotide specificity retain the structure and phospho-acceptor specificity of the wild-type enzyme.**
Chem Biol. 2002 Jan;9(1):25-33.
PMID: 11841936 [PubMed - indexed for MEDLINE]


-  **41:** [Torok G, Peter A, Armstrong DW, Tourwe D, Toth G, Sapi J.](#) Related Articles, Links


 **Direct chiral separation of unnatural amino acids by high-performance liquid chromatography on a ristocetin a-bonded stationary phase.**
Chirality. 2001;13(10):648-56.
PMID: 11746797 [PubMed - indexed for MEDLINE]


-  **42:** [Yang H, Matsubayashi Y, Nakamura K, Sakagami Y.](#) Related Articles, Links

 **Diversity of Arabidopsis genes encoding precursors for phytosulfokine, a peptide growth factor.**
Plant Physiol. 2001 Nov;127(3):842-51.
PMID: 11706167 [PubMed - indexed for MEDLINE]


-  **43:** [Hollenbeck JJ, Gurnon DG, Fazio GC, Carlson JJ, Oakley MG.](#) Related Articles, Links


 **A GCN4 variant with a C-terminal basic region binds to DNA with wild-type affinity.**
Biochemistry. 2001 Nov 20;40(46):13833-9.
PMID: 11705372 [PubMed - indexed for MEDLINE]


-  **44:** [Steinmetzer T, Schweinitz A, Kunzel S, Wikstrom P, Hauptmann J, Sturzebecher J.](#) Related Articles, Links

 **Structure-activity relationships of new NAPAP-analogs.**
J Enzyme Inhib. 2001;16(3):241-9. Corrected and republished in: [J Enzyme Inhib Med Chem. 2002 Apr;17\(2\):241-9.](#)
PMID: 11697044 [PubMed - indexed for MEDLINE]


-  **45:** [Schnarr NA, Kennan AJ.](#) Related Articles, Links

 **Coiled-coil formation governed by unnatural hydrophobic core side chains.**
J Am Chem Soc. 2001 Nov 7;123(44):11081-2. No abstract available.
PMID: 11686721 [PubMed - indexed for MEDLINE]




















-  **46:** [Forster AC, Weissbach H, Blacklow SC.](#) Related Articles, Links

 **A simplified reconstitution of mRNA-directed peptide synthesis: activity of the epsilon enhancer and an unnatural amino acid.**
Anal Biochem. 2001 Oct 1;297(1):60-70.
PMID: 11567528 [PubMed - indexed for MEDLINE]


-  **47:** [Tai VW, Imperiali B.](#) Related Articles, Links

 **Substrate specificity of the glycosyl donor for oligosaccharyl transferase.**
J Org Chem. 2001 Sep 21;66(19):6217-28.
PMID: 11559166 [PubMed - indexed for MEDLINE]

-  **48:** [Pastrnak M, Schultz PG.](#) Related Articles, Links

-  **Phage selection for site-specific incorporation of unnatural amino acids into proteins in vivo.**
Bioorg Med Chem. 2001 Sep;9(9):2373-9.
PMID: 11553478 [PubMed - indexed for MEDLINE]
-  **49:** [Wang D, Cole PA.](#) Related Articles, Links
-  **Protein tyrosine kinase Csk-catalyzed phosphorylation of Src containing unnatural tyrosine analogues.**
J Am Chem Soc. 2001 Sep 19;123(37):8883-6.
PMID: 11552794 [PubMed - indexed for MEDLINE]
-  **50:** [Shakkottai VG, Regaya I, Wulff H, Fajloun Z, Tomita H, Fathallah M, Cahalan MD, Gargus JJ, Sabatier JM, Chandy KG.](#) Related Articles, Links
-  **Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K⁺ channel, SkCa2.**
J Biol Chem. 2001 Nov 16;276(46):43145-51. Epub 2001 Aug 29.
PMID: 11527975 [PubMed - indexed for MEDLINE]
-  **51:** [Garner P, Sherry B, Moilanen S, Huang Y.](#) Related Articles, Links
-  **In vitro stability of alpha-helical peptide nucleic acids (alphaPNAs).**
Bioorg Med Chem Lett. 2001 Sep 3;11(17):2315-7.
PMID: 11527722 [PubMed - indexed for MEDLINE]
-  **52:** [Ishida H.](#) Related Articles, Links
-  **[Molecular design of functional peptides which contain unnatural components: toward novel intracellular probes]**
Seikagaku. 2001 Jul;73(7):556-60. Review. Japanese. No abstract available.
PMID: 11521287 [PubMed - indexed for MEDLINE]
-  **53:** [Zhu Z, Wang Y, Zhang Y, Liu G, Liu N, Rusekowski M, Hnatowich DJ.](#) Related Articles, Links
-  **A novel and simplified route to the synthesis of N3S chelators for 99mTc labeling.**
Nucl Med Biol. 2001 Aug;28(6):703-8.
PMID: 11518652 [PubMed - indexed for MEDLINE]
-  **54:** [Liu R, Lam KS.](#) Related Articles, Links
-  **Automatic Edman microsequencing of peptides containing multiple unnatural amino acids.**
Anal Biochem. 2001 Aug 1;295(1):9-16.
PMID: 11476539 [PubMed - indexed for MEDLINE]
-  **55:** [Bilgicer B, Fichera A, Kumar K.](#) Related Articles, Links
-  **A coiled coil with a fluorous core.**
J Am Chem Soc. 2001 May 16;123(19):4393-9.
PMID: 11457223 [PubMed - indexed for MEDLINE]
-  **56:** [Voigt K, Wostemeyer J.](#) Related Articles, Links
-  **Phylogeny and origin of 82 zygomycetes from all 54 genera of the Mucorales and Mortierellales based on combined analysis of actin and translation elongation factor EF-1 alpha genes.**
Gene. 2001 May 30;270(1-2):113-20.
PMID: 11404008 [PubMed - indexed for MEDLINE]
-  **57:** [Haug BE, Svendsen JS.](#) Related Articles, Links
-  **The role of tryptophan in the antibacterial activity of a 15-residue bovine lactoferricin peptide.**
J Pept Sci. 2001 Apr;7(4):190-6.

PMID: 11354462 [PubMed - indexed for MEDLINE]


 **58:** [Admiraal SJ, Walsh CT, Khosla C.](#)

Related Articles, Links

**The loading module of rifamycin synthetase is an adenylation-thiolation didomain with substrate tolerance for substituted benzoates.**

Biochemistry. 2001 May 22;40(20):6116-23.

PMID: 11352749 [PubMed - indexed for MEDLINE]


 **59:** [Ishida H, Qi Z, Sokabe M, Donowaki K, Inoue Y.](#)

Related Articles, Links

**Molecular design and synthesis of artificial ion channels based on cyclic peptides containing unnatural amino acids.**

J Org Chem. 2001 May 4;66(9):2978-89.

PMID: 11325262 [PubMed - indexed for MEDLINE]


 **60:** [Becker CF, Hunter CL, Seidel RP, Kent SB, Goody RS, Engelhard M.](#)

Related Articles, Links

**A sensitive fluorescence monitor for the detection of activated Ras: total chemical synthesis of site-specifically labeled Ras binding domain of c-Raf1 immobilized on a surface.**

Chem Biol. 2001 Mar;8(3):243-52.

PMID: 11306349 [PubMed - indexed for MEDLINE]


 **61:** [McNulty JC, Silapje JL, Carnevali M, Farrar CT, Griffin RG, Formaggio F, Crisma M, Toniolo C, Millhauser GL.](#)

Related Articles, Links

**Electron spin resonance of TOAC labeled peptides: folding transitions and high frequency spectroscopy.**

Biopolymers. 2000;55(6):479-85.

PMID: 11304675 [PubMed - indexed for MEDLINE]


 **62:** [Ishida H, Inoue Y.](#)

Related Articles, Links

**Artificial peptides with unnatural components designed for materializing protein function.**

Biopolymers. 2000;55(6):469-78.

PMID: 11304674 [PubMed - indexed for MEDLINE]


 **63:** [Spencer TA, Li D, Russel JS, Collins JL, Bledsoe RK, Consler TG, Moore LB, Galardi CM, McKee DD, Moore JT, Watson MA, Parks DJ, Lambert MH, Willson TM.](#)

Related Articles, Links

**Pharmacophore analysis of the nuclear oxysterol receptor LXRalpha.**

J Med Chem. 2001 Mar 15;44(6):886-97.

PMID: 11300870 [PubMed - indexed for MEDLINE]


 **64:** [Zhang Z, Herdewijn P.](#)

Related Articles, Links

**Selection of an unnatural peptide library for dsDNA binding.**

Curr Med Chem. 2001 Apr;8(5):517-31.

PMID: 11281839 [PubMed - indexed for MEDLINE]


 **65:** [Macmillan D, Bill RM, Sage KA, Fern D, Flitsch SL.](#)

Related Articles, Links

**Selective in vitro glycosylation of recombinant proteins: semi-synthesis of novel homogeneous glycoforms of human erythropoietin.**

Chem Biol. 2001 Feb;8(2):133-45.

PMID: 11251288 [PubMed - indexed for MEDLINE]

 **66:** [Smith SG.](#)

Related Articles, Links




















**The polyepitope approach to DNA vaccination.**


Curr Opin Mol Ther. 1999 Feb;1(1):10-5. Review.

PMID: 11249673 [PubMed - indexed for MEDLINE]

 **67:** [Peter A, Torok G, Armstrong DW, Toth G, Tourwe D.](#)

Related Articles, Links

-  **High-performance liquid chromatographic separation of enantiomers of synthetic amino acids on a ristocetin A chiral stationary phase.**
J Chromatogr A. 2000 Dec 22;904(1):1-15.
PMID: 11209895 [PubMed - indexed for MEDLINE]
-  **68:** [Du L, Sanchez C, Shen B.](#) Related Articles, Links
-  **Hybrid peptide-polyketide natural products: biosynthesis and prospects toward engineering novel molecules.**
Metab Eng. 2001 Jan;3(1):78-95. Review.
PMID: 11162234 [PubMed - indexed for MEDLINE]
-  **69:** [Chartrain M, Salmon PM, Robinson DK, Buckland BC.](#) Related Articles, Links
-  **Metabolic engineering and directed evolution for the production of pharmaceuticals.**
Curr Opin Biotechnol. 2000 Apr;11(2):209-14. Review.
PMID: 10753771 [PubMed - indexed for MEDLINE]
-  **70:** [Nakagawa SH, Tager HS, Steiner DF.](#) Related Articles, Links
-  **Mutational analysis of invariant valine B12 in insulin: implications for receptor binding.**
Biochemistry. 2000 Dec 26;39(51):15826-35.
PMID: 11123908 [PubMed - indexed for MEDLINE]
-  **71:** [Liu Y, Witucki LA, Shah K, Bishop AC, Shokat KM.](#) Related Articles, Links
-  **Src-Abl tyrosine kinase chimeras: replacement of the adenine binding pocket of c-Abl with v-Src to swap nucleotide and inhibitor specificities.**
Biochemistry. 2000 Nov 28;39(47):14400-8.
PMID: 11087392 [PubMed - indexed for MEDLINE]
-  **72:** [Blaschke UK, Silberstein J, Muir TW.](#) Related Articles, Links
-  **Protein engineering by expressed protein ligation.**
Methods Enzymol. 2000;328:478-96.
PMID: 11075362 [PubMed - indexed for MEDLINE]
-  **73:** [Okeley NM, Zhu Y, van Der Donk WA.](#) Related Articles, Links
-  **Facile chemoselective synthesis of dehydroalanine-containing peptides.**
Org Lett. 2000 Nov 16;2(23):3603-6.
PMID: 11073655 [PubMed - indexed for MEDLINE]
-  **74:** [Mimoto T, Hattori N, Takaku H, Kisanuki S, Fukazawa T, Terashima K, Kato R, Nojima S, Misawa S, Ueno T, Imai J, Enomoto H, Tanaka S, Sakikawa H, Shintani M, Hayashi H, Kiso Y.](#) Related Articles, Links
-  **Structure-activity relationship of orally potent tripeptide-based HIV protease inhibitors containing hydroxymethylcarbonyl isostere.**
Chem Pharm Bull (Tokyo). 2000 Sep;48(9):1310-26.
PMID: 10993230 [PubMed - indexed for MEDLINE]
-  **75:** [Winston RL, Ehley JA, Baird EE, Dervan PB, Gottesfeld JM.](#) Related Articles, Links
-  **Asymmetric DNA binding by a homodimeric bHLH protein.**
Biochemistry. 2000 Aug 8;39(31):9092-8.
PMID: 10924102 [PubMed - indexed for MEDLINE]
-  **76:** [Short GF 3rd, Laikhter AL, Lodder M, Shayo Y, Arslan T, Hecht SM.](#) Related Articles, Links
-  **Probing the S1/S1' substrate binding pocket geometry of HIV-1 protease with modified aspartic acid analogues.**
Biochemistry. 2000 Aug 1;39(30):8768-81.
PMID: 10913288 [PubMed - indexed for MEDLINE]

 **77:** [Yan X, Curley K, Lawrence DS.](#)


[Related Articles, Links](#)



The specificity of the protein kinase C alpha, betaII and gamma isoforms as assessed by an unnatural alcohol-appended peptide library.

Biochem J. 2000 Aug 1;349 Pt 3:709-15.

PMID: 10903131 [PubMed - indexed for MEDLINE]

 **78:** [Tam JP, Lu YA, Yang JL.](#)

[Related Articles, Links](#)



Design of salt-insensitive glycine-rich antimicrobial peptides with cyclic tricyclic structures.

Biochemistry. 2000 Jun 20;39(24):7159-69.

PMID: 10852714 [PubMed - indexed for MEDLINE]

 **79:** [Otvos L Jr, Bokonyi K, Varga I, Otvos BI, Hoffmann R, Ertl HC, Wade JD, McManus AM, Craik DJ, Bulet P.](#)

[Related Articles, Links](#)



Insect peptides with improved protease-resistance protect mice against bacterial infection.

Protein Sci. 2000 Apr;9(4):742-9.

PMID: 10794416 [PubMed - indexed for MEDLINE]

 **80:** [Winston RL, Gottesfeld JM.](#)


[Related Articles, Links](#)



Rapid identification of key amino-acid-DNA contacts through combinatorial peptide synthesis.

Chem Biol. 2000 Apr;7(4):245-51.

PMID: 10780928 [PubMed - indexed for MEDLINE]

 **81:** [O'Donnell MJ, Drew MD, Pottorf RS, Scott WL.](#)

[Related Articles, Links](#)



UPS on Weinreb resin: a facile solid-phase route to aldehyde and ketone derivatives of "unnatural" amino acids and peptides.

J Comb Chem. 2000 Mar-Apr;2(2):172-81.

PMID: 10757096 [PubMed - indexed for MEDLINE]

 **82:** [Gunther R, Stein A, Bordusa F.](#)


[Related Articles, Links](#)



Investigations on the enzyme specificity of clostripain: a new efficient biocatalyst for the synthesis of peptide isosteres.

J Org Chem. 2000 Mar 24;65(6):1672-9.

PMID: 10750491 [PubMed - indexed for MEDLINE]

 **83:** [Lebl M, Pires J, Poncar P, Pokorny V.](#)


[Related Articles, Links](#)



Evaluation of gaseous hydrogen fluoride as a convenient reagent for parallel cleavage from the solid support.

J Comb Chem. 1999 Nov-Dec;1(6):474-9.

PMID: 10748726 [PubMed - indexed for MEDLINE]

 **84:** [Ayers B, Blaschke UK, Camarero JA, Cotton GJ, Holford M, Muir TW.](#)

[Related Articles, Links](#)



Introduction of unnatural amino acids into proteins using expressed protein ligation.

Biopolymers. 1999;51(5):343-54.

PMID: 10685045 [PubMed - indexed for MEDLINE]

 **85:** [Weljie AM, Vogel HJ.](#)


[Related Articles, Links](#)



Tryptophan fluorescence of calmodulin binding domain peptides interacting with calmodulin containing unnatural methionine analogues.




















Protein Eng. 2000 Jan;13(1):59-66.

PMID: 10679531 [PubMed - indexed for MEDLINE]


 **86:** [Pajpanova T, Bocheva A, Golovinsky E.](#)

[Related Articles, Links](#)

Effects of newly synthesized analogs of MIF-1 containing unnatural amino

-  acids on electrically evoked smooth muscle contractions.
Methods Find Exp Clin Pharmacol. 1999 Nov;21(9):591-4.
PMID: 10669902 [PubMed - indexed for MEDLINE]
-  **87:** [Oh JE, Lee KH.](#) Related Articles, Links
-  Synthesis of novel unnatural amino acid as a building block and its incorporation into an antimicrobial peptide.
Bioorg Med Chem. 1999 Dec;7(12):2985-90.
PMID: 10658605 [PubMed - indexed for MEDLINE]
-  **88:** [Levi M, Hinkula J, Wahren B.](#) Related Articles, Links
-  A retro-inverso miniantibody with anti-HIV activity.
AIDS Res Hum Retroviruses. 2000 Jan 1;16(1):59-65.
PMID: 10628817 [PubMed - indexed for MEDLINE]
-  **89:** [Boschin G, Scaglioni L, Arnoldi A.](#) Related Articles, Links
-  Optimization of the synthesis of the cross-linked amino acid ornithinoalanine and nuclear magnetic resonance characterization of lysinoalanine and ornithinoalanine.
J Agric Food Chem. 1999 Mar;47(3):939-44.
PMID: 10552395 [PubMed - indexed for MEDLINE]
-  **90:** [Roy RS, Allen O, Walsh CT.](#) Related Articles, Links
-  Expressed protein ligation to probe regiospecificity of heterocyclization in the peptide antibiotic microcin B17.
Chem Biol. 1999 Nov;6(11):789-99.
PMID: 10574779 [PubMed - indexed for MEDLINE]
-  **91:** [Bark SJ, Kent SB.](#) Related Articles, Links
-  Engineering an unnatural Nalpha-anchored disulfide into BPTI by total chemical synthesis: structural and functional consequences.
FEBS Lett. 1999 Oct 22;460(1):67-76.
PMID: 10571063 [PubMed - indexed for MEDLINE]
-  **92:** [Long YQ, Yao ZJ, Voigt JH, Lung FD, Luo JH, Burke TR Jr, King CR, Yang D, Roller PP.](#) Related Articles, Links
-  Structural requirements for Tyr in the consensus sequence Y-E-N of a novel nonphosphorylated inhibitor to the Grb2-SH2 domain.
Biochem Biophys Res Commun. 1999 Nov 2;264(3):902-8.
PMID: 10544028 [PubMed - indexed for MEDLINE]
-  **93:** [Buzko OV, Shokat KM.](#) Related Articles, Links
-  Blocking HIV entry.
Nat Struct Biol. 1999 Oct;6(10):906-8.
PMID: 10504719 [PubMed - indexed for MEDLINE]
-  **94:** [Becker JA, Wallace A, Garzon A, Ingallinella P, Bianchi E, Cortese R, Simonin F, Kieffer BL, Pessi A.](#) Related Articles, Links
-  Ligands for kappa-opioid and ORL1 receptors identified from a conformationally constrained peptide combinatorial library.
J Biol Chem. 1999 Sep 24;274(39):27513-22. Erratum in: J Biol Chem 1999 Nov 12;274(46):33177.
PMID: 10488086 [PubMed - indexed for MEDLINE]
-  **95:** [Gomez-Catalan J, Perez JJ, Jimenez AI, Cativiela C.](#) Related Articles, Links
-  Study of the conformational profile of selected unnatural amino acid residues derived from L-phenylalanine.
J Pept Sci. 1999 Jun;5(6):251-62.

PMID: 10463780 [PubMed - indexed for MEDLINE]

-  **96:** [Huang YD, Yang SZ, Feng YM, Niu CI](#) Related Articles, Links



An insulin analogue with gamma-amino butyric acid substitution for A13Leu-A14Tyr.

J Pept Res. 1999 Jul;54(1):18-22.

PMID: 10448966 [PubMed - indexed for MEDLINE]

-  **97:** [Steinmetzer T, Zhu BY, Konishi Y](#) Related Articles, Links



Potent bivalent thrombin inhibitors: replacement of the scissile peptide bond at P(1)-P(1)' with arginyl ketomethylene isosteres.

J Med Chem. 1999 Aug 12;42(16):3109-15.

PMID: 10447955 [PubMed - indexed for MEDLINE]


-  **98:** [Stachelhaus T, Mootz HD, Marahiel MA](#) Related Articles, Links



The specificity-conferring code of adenylation domains in nonribosomal peptide synthetases.

Chem Biol. 1999 Aug;6(8):493-505.

PMID: 10421756 [PubMed - indexed for MEDLINE]


-  **99:** [Bouifraden S, Drouot C, el Hadrami M, Guenoun F, Lecoindre L, Mai N, Paris M, Pothion C, Sadoune M, Sauvagnat B, Amblard M, Aubagnac JL, Calmes M, Chevallet P, Daunis J, Enjalbal C, Fehrentz JA, Lamaty F, Lavergne JP, Lazaro R, Rolland V, Roumestant ML, Viallefont P, Vidal Y, Martinez J](#) Related Articles, Links



Some of the amino acid chemistry going on in the Laboratory of Amino Acids, Peptides and Proteins.

Amino Acids. 1999;16(3-4):345-79. Review.

PMID: 10399020 [PubMed - indexed for MEDLINE]

-  **100:** [Sydor JR, Herrmann C, Kent SB, Goody RS, Engelhard M](#) Related Articles, Links



Design, total chemical synthesis, and binding properties of a [Leu-91-N1-methyl-7-azaTrp]Ras-binding domain of c-Raf-1.

Proc Natl Acad Sci U S A. 1999 Jul 6;96(14):7865-70.

PMID: 10393913 [PubMed - indexed for MEDLINE]


-  **101:** [Short GF 3rd, Golovine SY, Hecht SM](#) Related Articles, Links



Effects of release factor 1 on in vitro protein translation and the elaboration of proteins containing unnatural amino acids.

Biochemistry. 1999 Jul 6;38(27):8808-19.

PMID: 10393557 [PubMed - indexed for MEDLINE]


-  **102:** [Falcioni F, Ito K, Vidovic D, Behunis C, Campbell R, Berthel SJ, Bolin DR, Gillespie PB, Huby N, Olson GL, Sarabu R, Guenot J, Madison V, Hammer J, Sinigaglia F, Steinmetz M, Nagy ZA](#) Related Articles, Links



Peptidomimetic compounds that inhibit antigen presentation by autoimmune disease-associated class II major histocompatibility molecules.

Nat Biotechnol. 1999 Jun;17(6):562-7.

PMID: 10385320 [PubMed - indexed for MEDLINE]


-  **103:** [Kiso Y, Matsumoto H, Mizumoto S, Kimura T, Fujiwara Y, Akaji K](#) Related Articles, Links





















Small dipeptide-based HIV protease inhibitors containing the hydroxymethylcarbonyl isostere as an ideal transition-state mimic.



















Biopolymers. 1999;51(1):59-68. Review.





















PMID: 10380353 [PubMed - indexed for MEDLINE]











-  **104:** [Mimoto T, Kato R, Takaku H, Nojima S, Terashima K, Misawa S, Fukazawa T, Ueno T, Sato H, Shintani M, Kiso Y, Hayashi H](#) Related Articles, Links

-  **Structure-activity relationship of small-sized HIV protease inhibitors containing allophenylnorstatine.**
J Med Chem. 1999 May 20;42(10):1789-802.
PMID: 10346931 [PubMed - indexed for MEDLINE]
-  **105:** Huq J, Ping YH, Tamilarasu N, Rana TM. [Related Articles, Links](#)
-  **Controlling human immunodeficiency virus type 1 gene expression by unnatural peptides.**
Biochemistry. 1999 Apr 20;38(16):5172-7.
PMID: 10213623 [PubMed - indexed for MEDLINE]
-  **106:** Yuan T, Vogel HJ. [Related Articles, Links](#)
-  **Substitution of the methionine residues of calmodulin with the unnatural amino acid analogs ethionine and norleucine: biochemical and spectroscopic studies.**
Protein Sci. 1999 Jan;8(1):113-21.
PMID: 10210190 [PubMed - indexed for MEDLINE]
-  **107:** Thorpe DS, Yeoman H, Chan AW, Krchnak V, Lebl M, Felder S. [Related Articles, Links](#)
-  **Combinatorial chemistry reveals a new motif that binds the platelet fibrinogen receptor, gpIIb/IIIa.**
Biochem Biophys Res Commun. 1999 Mar 24;256(3):537-41.
PMID: 10080933 [PubMed - indexed for MEDLINE]
-  **108:** Shih C, Gossett LS, Gruber JM, Grossman CS, Andis SL, Schultz RM, Worzalla JF, Corbett TH, Metz JT. [Related Articles, Links](#)
-  **Synthesis and biological evaluation of novel cryptophycin analogs with modification in the beta-alanine region.**
Bioorg Med Chem Lett. 1999 Jan 4;9(1):69-74.
PMID: 9990459 [PubMed - indexed for MEDLINE]
-  **109:** Kundu B, Bauser M, Betschinger J, Kraas W, Jung G. [Related Articles, Links](#)
-  **Identification of a potent analogue of Nazumamide A through iteration of combinatorial tetrapeptide libraries.**
Bioorg Med Chem Lett. 1998 Jul 7;8(13):1669-72.
PMID: 9873411 [PubMed - indexed for MEDLINE]
-  **110:** Lin P, Ganesan A. [Related Articles, Links](#)
-  **Solid-phase synthesis of peptidomimetic oligomers with a phosphodiester backbone.**
Bioorg Med Chem Lett. 1998 Mar 3;8(5):511-4.
PMID: 9871608 [PubMed - indexed for MEDLINE]
-  **111:** Biemans R, Gregoire D, Haumont M, Bosseloir A, Garcia L, Jacquet A, Dubeaux C, Bollen A. [Related Articles, Links](#)
-  **The conformation of purified Toxoplasma gondii SAG1 antigen, secreted from engineered Pichia pastoris, is adequate for serorecognition and cell proliferation.**
J Biotechnol. 1998 Dec 11;66(2-3):137-46.
PMID: 9866865 [PubMed - indexed for MEDLINE]
-  **112:** Ohkawa K, Kitsuki T, Amaike M, Saitoh H, Yamamoto H. [Related Articles, Links](#)
-  **Biodegradation of ornithine-containing polylysine hydrogels.**
Biomaterials. 1998 Oct;19(20):1855-60.
PMID: 9855186 [PubMed - indexed for MEDLINE]
-  **113:** Evans TC Jr, Benner J, Xu MQ. [Related Articles, Links](#)


Semisynthesis of cytotoxic proteins using a modified protein splicing

-  **element.**
Protein Sci. 1998 Nov;7(11):2256-64.
PMID: 9827992 [PubMed - indexed for MEDLINE]
-  **114:** Nachman RJ, Moyna G, Williams HJ, Tobe SS, Scott AI. [Related Articles, Links](#)
 **Synthesis, biological activity, and conformational studies of insect allatostatin neuropeptide analogues incorporating turn-promoting moieties.**
Bioorg Med Chem. 1998 Aug;6(8):1379-88.
PMID: 9784875 [PubMed - indexed for MEDLINE]
-  **115:** Bakota L, Szikra J, Toth G, Gulya K. [Related Articles, Links](#)
 **Slide-binding characterization and autoradiographic localization of delta opioid receptors in rat and mouse brains with the tetrapeptide antagonist [3H]TIPP.**
Life Sci. 1998;63(15):1377-85.
PMID: 9768876 [PubMed - indexed for MEDLINE]
-  **116:** Cane DE, Walsh CT, Khosla C. [Related Articles, Links](#)
 **Harnessing the biosynthetic code: combinations, permutations, and mutations.**
Science. 1998 Oct 2;282(5386):63-8. Review.
PMID: 9756477 [PubMed - indexed for MEDLINE]
-  **117:** Parsons JF, Xiao G, Gilliland GL, Armstrong RN. [Related Articles, Links](#)
 **Enzymes harboring unnatural amino acids: mechanistic and structural analysis of the enhanced catalytic activity of a glutathione transferase containing 5-fluorotryptophan.**
Biochemistry. 1998 May 5;37(18):6286-94.
PMID: 9572843 [PubMed - indexed for MEDLINE]
-  **118:** Turcatti G, Nemeth K, Edgerton MD, Knowles J, Vogel H, Chollet A. [Related Articles, Links](#)
 **Fluorescent labeling of NK2 receptor at specific sites in vivo and fluorescence energy transfer analysis of NK2 ligand-receptor complexes.**
Receptors Channels. 1997;5(3-4):201-7.
PMID: 9606724 [PubMed - indexed for MEDLINE]
-  **119:** Shen F, Wang H, Zheng X, Ratnam M. [Related Articles, Links](#)
 **Expression levels of functional folate receptors alpha and beta are related to the number of N-glycosylated sites.**
Biochem J. 1997 Nov 1;327 (Pt 3):759-64.
PMID: 9581553 [PubMed - indexed for MEDLINE]
-  **120:** Lai JH, Marsilje TH, Choi S, Nair SA, Hangauer DG. [Related Articles, Links](#)
 **The design, synthesis and activity of pentapeptide pp60c-src inhibitors containing L-phosphotyrosine mimics.**
J Pept Res. 1998 Apr;51(4):271-81.
PMID: 9560002 [PubMed - indexed for MEDLINE]
-  **121:** VanderNoot VA, Hileman RE, Dordick JS, Linhardt RJ. [Related Articles, Links](#)
 **Affinity capillary electrophoresis employing immobilized glycosaminoglycan to resolve heparin-binding peptides.**
Electrophoresis. 1998 Mar;19(3):437-41.
PMID: 9551798 [PubMed - indexed for MEDLINE]
-  **122:** Yuan T, Weljie AM, Vogel HJ. [Related Articles, Links](#)

-  **Tryptophan fluorescence quenching by methionine and selenomethionine residues of calmodulin: orientation of peptide and protein binding.**
Biochemistry. 1998 Mar 3;37(9):3187-95.
PMID: 9485473 [PubMed - indexed for MEDLINE]
-  **123:** [Wisniewski K, Koldziejczyk AS, Falkiewicz B.](#) [Related Articles, Links](#)
-  **Applications of the Mitsunobu reaction in peptide chemistry.**
J Pept Sci. 1998 Feb;4(1):1-14. Review.
PMID: 9523751 [PubMed - indexed for MEDLINE]
-  **124:** [Liu Y, Shah K, Yang F, Witucki L, Shokat KM.](#) [Related Articles, Links](#)
-  **Engineering Src family protein kinases with unnatural nucleotide specificity.**
Chem Biol. 1998 Feb;5(2):91-101.
PMID: 9495830 [PubMed - indexed for MEDLINE]
-  **125:** [Peter A, Torok G, Armstrong DW.](#) [Related Articles, Links](#)
-  **High-performance liquid chromatographic separation of enantiomers of unusual amino acids on a teicoplanin chiral stationary phase.**
J Chromatogr A. 1998 Jan 16;793(2):283-96.
PMID: 9474786 [PubMed - indexed for MEDLINE]
-  **126:** [Gavioli R, Guerrini R, Masucci MG, Tomatis R, Traniello S, Marastoni M.](#) [Related Articles, Links](#)
-  **High structural side chain specificity required at the second position of immunogenic peptides to obtain stable MHC/peptide complexes.**
FEBS Lett. 1998 Jan 9;421(2):95-9.
PMID: 9468286 [PubMed - indexed for MEDLINE]
-  **127:** [Levy DE, Lapierre F, Liang W, Ye W, Lange CW, Li X, Grobelny D, Casabonne M, Tyrrell D, Holme K, Nadzan A, Galardy RE.](#) [Related Articles, Links](#)
-  **Matrix metalloproteinase inhibitors: a structure-activity study.**
J Med Chem. 1998 Jan 15;41(2):199-223.
PMID: 9457244 [PubMed - indexed for MEDLINE]
-  **128:** [Veenstra DL, Kollman PA.](#) [Related Articles, Links](#)
-  **Modeling protein stability: a theoretical analysis of the stability of T4 lysozyme mutants.**
Protein Eng. 1997 Jul;10(7):789-807.
PMID: 9342145 [PubMed - indexed for MEDLINE]
-  **129:** [McDaniel R, Kao CM, Hwang SJ, Khosla C.](#) [Related Articles, Links](#)
-  **Engineered intermodular and intramodular polyketide synthase fusions.**
Chem Biol. 1997 Sep;4(9):667-74.
PMID: 9331407 [PubMed - indexed for MEDLINE]
-  **130:** [England PM, Lester HA, Davidson N, Dougherty DA.](#) [Related Articles, Links](#)
-  **Site-specific, photochemical proteolysis applied to ion channels in vivo.**
Proc Natl Acad Sci U S A. 1997 Sep 30;94(20):11025-30.
PMID: 9380753 [PubMed - indexed for MEDLINE]
-  **131:** [Koh JT, Cornish VW, Schultz PG.](#) [Related Articles, Links](#)
-  **An experimental approach to evaluating the role of backbone interactions in proteins using unnatural amino acid mutagenesis.**
Biochemistry. 1997 Sep 23;36(38):11314-22.
PMID: 9298950 [PubMed - indexed for MEDLINE]
-  **132:** [Cerovsky V, Wunsch E, Brass J.](#) [Related Articles, Links](#)

-  **Enzymatic semisynthesis of dicarba analogs of calcitonin.**
Eur J Biochem. 1997 Jul 1;247(1):231-7.
PMID: 9249031 [PubMed - indexed for MEDLINE]
- ☐ **133:** [Roy RS, Imperiali B.](#) Related Articles, Links
 **Pyridoxamine-amino acid chimeras in semisynthetic aminotransferase mimics.**
Protein Eng. 1997 Jun;10(6):691-8.
PMID: 9278283 [PubMed - indexed for MEDLINE]
- ☐ **134:** [Murphy JT, Lagarias JC.](#) Related Articles, Links
 **Purification and characterization of recombinant affinity peptide-tagged oat phytochrome A.**
Photochem Photobiol. 1997 Apr;65(4):750-8.
PMID: 9114754 [PubMed - indexed for MEDLINE]
- ☐ **135:** [Lescrinier T, Busson R, De Winter H, Hendrix C, Janssen G, Pannecouque C, Rozenski J, Van Aerschot A, Herdewijn P.](#) Related Articles, Links
 **alpha-Amino acids derived from ornithine as building blocks for peptide synthesis.**
J Pept Res. 1997 Feb;49(2):183-9.
PMID: 9147314 [PubMed - indexed for MEDLINE]
- ☐ **136:** [Balint GA.](#) Related Articles, Links
 **A novel approach to reduce the unwanted gastric side-effects of orally administered non-steroidal anti-inflammatory drugs in rats.**
Exp Toxicol Pathol. 1997 Feb;49(1-2):61-3.
PMID: 9085075 [PubMed - indexed for MEDLINE]
- ☐ **137:** [Akeson AL, Woods CW, Hsieh LC, Bohnke RA, Ackermann BL, Chan KY, Robinson JL, Yanofsky SD, Jacobs JW, Barrett RW, Bowlin TL.](#) Related Articles, Links
 **AF12198, a novel low molecular weight antagonist, selectively binds the human type I interleukin (IL)-1 receptor and blocks in vivo responses to IL-1.**
J Biol Chem. 1996 Nov 29;271(48):30517-23.
PMID: 8940020 [PubMed - indexed for MEDLINE]
- ☐ **138:** [Wipf P, Li W, Adeyeye CM, Rusnak JM, Lazo JS.](#) Related Articles, Links
 **Synthesis of chemoreversible prodrugs of ara-C with variable time-release profiles. Biological evaluation of their apoptotic activity.**
Bioorg Med Chem. 1996 Oct;4(10):1585-96.
PMID: 8931928 [PubMed - indexed for MEDLINE]
- ☐ **139:** [Koppitz M, Spellig T, Kahmann R, Kessler H.](#) Related Articles, Links
 **Lipoconjugates: structure-activity studies for pheromone analogues of Ustilago maydis with varied lipophilicity.**
Int J Pept Protein Res. 1996 Oct;48(4):377-90.
PMID: 8919059 [PubMed - indexed for MEDLINE]
- ☐ **140:** [Raghavan M, Lebron JA, Johnson JL, Bjorkman PJ.](#) Related Articles, Links
 **Extended repertoire of permissible peptide ligands for HLA-B*2702.**
Protein Sci. 1996 Oct;5(10):2080-8.
PMID: 8897608 [PubMed - indexed for MEDLINE]
- ☐ **141:** [Akaji K.](#) Related Articles, Links
 **[Studies on development of disulfide bond forming reaction and the application to regioselective disulfide formation]**


Yakugaku Zasshi. 1996 Jun;116(6):441-56. Review. Japanese.
PMID: 8753066 [PubMed - indexed for MEDLINE]

-  **142:** Lombardi A, Nastri F, Della Morte R, Rossi A, De Rosa A, Staiano N, Pedone C, Pavone V. Related Articles, Links



Rational design of true hirudin mimetics: synthesis and characterization of multisite-directed alpha-thrombin inhibitors.


J Med Chem. 1996 May 10;39(10):2008-17.
PMID: 8642559 [PubMed - indexed for MEDLINE]

-  **143:** Dorner B, Husar GM, Ostresh JM, Houghten RA. Related Articles, Links



The synthesis of peptidomimetic combinatorial libraries through successive amide alkylations.


Bioorg Med Chem. 1996 May;4(5):709-15.
PMID: 8804537 [PubMed - indexed for MEDLINE]

-  **144:** Callebaut C, Jacotot E, Guichard G, Krust B, Rey-Cuille M, Cointe D, Benkirane N, Blanco J, Muller S, Briand J, Hovanesian AG. Related Articles, Links



Inhibition of HIV infection by pseudopeptides blocking viral envelope glycoprotein-mediated membrane fusion and cell death.

Virology. 1996 Apr 1;218(1):181-92.
PMID: 8615021 [PubMed - indexed for MEDLINE]

-  **145:** Naini AA, Shimony E, Kozlowski E, Shaikh T, Dang W, Miller C. Related Articles, Links



Interaction of Ca²⁺-activated K⁺ channels with refolded charybdotoxins mutated at a central interaction residue.


Neuropharmacology. 1996;35(7):915-21.
PMID: 8938722 [PubMed - indexed for MEDLINE]

-  **146:** Kiso Y. Related Articles, Links



Design and synthesis of substrate-based peptidomimetic human immunodeficiency virus protease inhibitors containing the hydroxymethylcarbonyl isostere.


Biopolymers. 1996;40(2):235-44. Review.
PMID: 8785365 [PubMed - indexed for MEDLINE]

-  **147:** Fernandez MM, Margot AO, Falender CA, Blanch HW, Clark DS. Related Articles, Links



Enzymatic synthesis of peptides containing unnatural amino acids.


Enzyme Microb Technol. 1995 Nov;17(11):964-71.
PMID: 8541021 [PubMed - indexed for MEDLINE]

-  **148:** Nair SA, Kim MH, Warren SD, Choi S, Songyang Z, Cantley LC, Hangauer DG. Related Articles, Links



Identification of efficient pentapeptide substrates for the tyrosine kinase pp60c-src.


J Med Chem. 1995 Oct 13;38(21):4276-83.
PMID: 7473555 [PubMed - indexed for MEDLINE]

-  **149:** Jackman AL, Kimbell R, Brown M, Brunton L, Bisset GM, Bavetsias V, Marsham P, Hughes LR, Boyle FT. Related Articles, Links







































Quinazoline-based thymidylate synthase inhibitors: relationship between structural modifications and polyglutamation.

Anticancer Drug Des. 1995 Oct;10(7):573-89.
PMID: 7495480 [PubMed - indexed for MEDLINE]




















-  **150:** Cole PA, Grace MR, Phillips RS, Burn P, Walsh CT. Related Articles, Links

The role of the catalytic base in the protein tyrosine kinase Csk.


-  J Biol Chem. 1995 Sep 22;270(38):22105-8.
PMID: 7673185 [PubMed - indexed for MEDLINE]
-  **151:** [Basak A, Schmidt C, Ismail AA, Seidah NG, Chretien M, Lazure C.](#) [Related Articles, Links](#)
-  Peptidyl substrates containing unnatural amino acid at the P'1 position are potent inhibitors of prohormone convertases.
Int J Pept Protein Res. 1995 Sep-Oct;46(3-4):228-37.
PMID: 8537176 [PubMed - indexed for MEDLINE]
-  **152:** [Collantes ER, Dunn WJ 3rd.](#) [Related Articles, Links](#)
-  Amino acid side chain descriptors for quantitative structure-activity relationship studies of peptide analogues.
J Med Chem. 1995 Jul 7;38(14):2705-13.
PMID: 7629809 [PubMed - indexed for MEDLINE]
-  **153:** [Rovero P, Vigano S, Pegoraro S, Revoltella R, Riganelli D, Fruci D, Greco G, Butler RH, Tanigaki N.](#) [Related Articles, Links](#)
-  Augmentation of the affinity of HLA class I-binding peptides lacking primary anchor residues by manipulation of the secondary anchor residues.
J Pept Sci. 1995 Jul-Aug;1(4):266-73.
PMID: 9223004 [PubMed - indexed for MEDLINE]
-  **154:** [Natarajan S, Riexinger D, Peluso M, Seiler SM.](#) [Related Articles, Links](#)
-  'Tethered ligand' derived pentapeptide agonists of thrombin receptor: a study of side chain requirements for human platelet activation and GTPase stimulation.
Int J Pept Protein Res. 1995 Feb;45(2):145-51.
PMID: 7782162 [PubMed - indexed for MEDLINE]
-  **155:** [Campbell RM, Bongers J, Felix AM.](#) [Related Articles, Links](#)
-  Rational design, synthesis, and biological evaluation of novel growth hormone releasing factor analogues.
Biopolymers. 1995;37(2):67-88. Review.
PMID: 7893948 [PubMed - indexed for MEDLINE]
-  **156:** [Pinilla C, Appel J, Blondelle S, Dooley C, Dorner B, Eichler J, Ostresh J, Houghten RA.](#) [Related Articles, Links](#)
-  A review of the utility of soluble peptide combinatorial libraries.
Biopolymers. 1995;37(3):221-40. Review.
PMID: 7718744 [PubMed - indexed for MEDLINE]
-  **157:** [Kim MH, Lai JH, Hangauer DG.](#) [Related Articles, Links](#)
-  Tetrapeptide tyrosine kinase inhibitors. Enantioselective synthesis of p-hydroxymethyl-L-phenylalanine, incorporation into a tetrapeptide, and subsequent elaboration into p-(R,S-hydroxyphosphonomethyl)-L-phenylalanine.
Int J Pept Protein Res. 1994 Nov;44(5):457-65.
PMID: 7896504 [PubMed - indexed for MEDLINE]
-  **158:** [Jackson DY, Burnier J, Quan C, Stanley M, Tom J, Wells JA.](#) [Related Articles, Links](#)
-  A designed peptide ligase for total synthesis of ribonuclease A with unnatural catalytic residues.
Science. 1994 Oct 14;266(5183):243-7.
PMID: 7939659 [PubMed - indexed for MEDLINE]
-  **159:** [Blondelle SE, Takahashi E, Weber PA, Houghten RA.](#) [Related Articles, Links](#)


-  Identification of antimicrobial peptides by using combinatorial libraries made up of unnatural amino acids.
Antimicrob Agents Chemother. 1994 Oct;38(10):2280-6.
PMID: 7840558 [PubMed - indexed for MEDLINE]
-  **160:** [Basak A, Jean F, Seidah NG, Lazure C.](#) [Related Articles, Links](#)
-  Design and synthesis of novel inhibitors of prohormone convertases.
Int J Pept Protein Res. 1994 Sep;44(3):253-61.
PMID: 7822102 [PubMed - indexed for MEDLINE]
-  **161:** [Vogel HJ.](#) [Related Articles, Links](#)
-  The Merck Frosst Award Lecture 1994. Calmodulin: a versatile calcium mediator protein.
Biochem Cell Biol. 1994 Sep-Oct;72(9-10):357-76. Review.
PMID: 7605608 [PubMed - indexed for MEDLINE]
-  **162:** [Kyle DL.](#) [Related Articles, Links](#)
-  Structural features of the bradykinin receptor as determined by computer simulations, mutagenesis experiments, and conformationally constrained ligands: establishing the framework for the design of new antagonists.
Braz J Med Biol Res. 1994 Aug;27(8):1757-79.
PMID: 7749367 [PubMed - indexed for MEDLINE]
-  **163:** [Baldwin JE, Shiao CY, Byford MF, Schofield CJ.](#) [Related Articles, Links](#)
-  Substrate specificity of L-delta-(alpha-amino adipoyl)-L-cysteinyl-D-valine synthetase from *Cephalosporium acremonium*: demonstration of the structure of several unnatural tripeptide products.
Biochem J. 1994 Jul 15;301 (Pt 2):367-72.
PMID: 8042979 [PubMed - indexed for MEDLINE]
-  **164:** [Burke TR Jr, Nomizu M, Otaka A, Smyth MS, Roller PP, Case RD, Wolf G, Shoelson SE.](#) [Related Articles, Links](#)
-  Cyclic peptide inhibitors of phosphatidylinositol 3-kinase p85 SH2 domain binding.
Biochem Biophys Res Commun. 1994 Jun 30;201(3):1148-53.
PMID: 8024556 [PubMed - indexed for MEDLINE]
-  **165:** [Koide H, Yokoyama S, Katayama Y, Muto Y, Kigawa T, Kohno T, Takusari H, Oishi M, Takahashi S, Tsukumo K, et al.](#) [Related Articles, Links](#)
-  Receptor-binding affinities of human epidermal growth factor variants having unnatural amino acid residues in position 23.
Biochemistry. 1994 Jun 14;33(23):7470-6.
PMID: 8003512 [PubMed - indexed for MEDLINE]
-  **166:** [Parmelee DC, Hoang TN, Benjamin T, Sechi S.](#) [Related Articles, Links](#)
-  Noninterfering synthetic peptides as internal controls for amino acid sequencing of sample unknowns.
Anal Biochem. 1994 May 15;219(1):71-81.
PMID: 8059958 [PubMed - indexed for MEDLINE]
-  **167:** [Muller A, Busker E, Engel J, Kutscher B, Bemd M, Schally AV.](#) [Related Articles, Links](#)
-  Structural investigation of Cetrorelix, a new potent and long-acting LH-RH antagonist.
Int J Pept Protein Res. 1994 Mar;43(3):264-70.
PMID: 8005749 [PubMed - indexed for MEDLINE]
-  **168:** [Duan Y, Laursen RA.](#) [Related Articles, Links](#)


Protease substrate specificity mapping using membrane-bound peptides.


-  Anal Biochem. 1994 Feb 1;216(2):431-8.
PMID: 8179201 [PubMed - indexed for MEDLINE]
-  **169:** [Frenz J, Quan CP, Cacia J, Democko C, Bridenbaugh R, McNerney T.](#) [Related Articles, Links](#)
McNerney T.
-  Protein sorting by high performance liquid chromatography. 2. Separation of isophosphorylates of recombinant human DNase I on a polyethylenimine column.
Anal Chem. 1994 Feb 1;66(3):335-40.
PMID: 8135374 [PubMed - indexed for MEDLINE]
-  **170:** [Hernandez JF, Cretin F, Lombard-Platet S, Salvi JP, Walchshofer N, Gerlier D, Paris J, Rabourdin-Combe C.](#) [Related Articles, Links](#)
N, Gerlier D, Paris J, Rabourdin-Combe C.
-  Critical residue combinations dictate peptide presentation by MHC class II molecules.
Peptides. 1994;15(4):583-90.
PMID: 7937332 [PubMed - indexed for MEDLINE]
-  **171:** [Needels MC, Jones DG, Tate EH, Heinkel GL, Kochersperger LM, Dower WJ, Barrett RW, Gallop MA.](#) [Related Articles, Links](#)
LM, Dower WJ, Barrett RW, Gallop MA.
-  Generation and screening of an oligonucleotide-encoded synthetic peptide library.
Proc Natl Acad Sci U S A. 1993 Nov 15;90(22):10700-4.
PMID: 7504279 [PubMed - indexed for MEDLINE]
-  **172:** [Cho CY, Moran EJ, Cherry SR, Stephans JC, Fodor SP, Adams CL, Sundaram A, Jacobs JW, Schultz PG.](#) [Related Articles, Links](#)
CL, Sundaram A, Jacobs JW, Schultz PG.
-  An unnatural biopolymer.
Science. 1993 Sep 3;261(5126):1303-5.
PMID: 7689747 [PubMed - indexed for MEDLINE]
-  **173:** [Hunt JT, Lee VG, Liu EC, Moreland S, McMullen D, Webb ML, Bolgar M.](#) [Related Articles, Links](#)
Bolgar M.
-  Control of peptide disulfide regioisomer formation by mixed cysteine-penicillamine bridges. Application to endothelin-1.
Int J Pept Protein Res. 1993 Sep;42(3):249-58.
PMID: 8225780 [PubMed - indexed for MEDLINE]
-  **174:** [Dharanipragada R, Trivedi D, Bannister A, Siegel M, Tourwe D, Molloy N, Schram K, Hruby VJ.](#) [Related Articles, Links](#)
Molloy N, Schram K, Hruby VJ.
-  Synthetic linear and cyclic glucagon antagonists.
Int J Pept Protein Res. 1993 Jul;42(1):68-77.
PMID: 8396562 [PubMed - indexed for MEDLINE]
-  **175:** [Elliott JL, Stone KL, Williams KR.](#) [Related Articles, Links](#)
-  Synthesis and use of an internal amino acid sequencing standard peptide.
Anal Biochem. 1993 May 15;211(1):94-101.
PMID: 8323041 [PubMed - indexed for MEDLINE]
-  **176:** [Corringer PJ, Weng JH, Ducos B, Durieux C, Boudeau P, Bohme A, Roques BP.](#) [Related Articles, Links](#)
A, Roques BP.
-  CCK-B agonist or antagonist activities of structurally hindered and peptidase-resistant Boc-CCK4 derivatives.
J Med Chem. 1993 Jan 8;36(1):166-72.
PMID: 8421283 [PubMed - indexed for MEDLINE]
-  **177:** [Jackman AL, Bisset GM, Jodrell DL, Gibson W, Kimbell R, Bavetsias V, Calvert AH, Harrap KR, Stephens TC, Smith MN, et al.](#) [Related Articles, Links](#)
et al.
-  Gamma-linked dipeptide analogues of 2-desamino-2-methyl-N10-propargyl-5,8- dideazafolate as antitumour agents.

Adv Exp Med Biol. 1993;338:579-84.
PMID: 8304184 [PubMed - indexed for MEDLINE]


-  **178:** [Kamphuis J, Meijer EM, Boesten WH, Sonke T, van den Tweel WJ, Schoemaker HE](#) Related Articles, Links

 New developments in the synthesis of natural and unnatural amino acids.
Ann N Y Acad Sci. 1992 Nov 30;672:510-27.
PMID: 1476387 [PubMed - indexed for MEDLINE]


-  **179:** [Bongers J, Lambros T, Liu W, Ahmad M, Campbell RM, Felix AM, Heimer EP](#) Related Articles, Links

 Enzymatic semisynthesis of a superpotent analog of human growth hormone-releasing factor.
J Med Chem. 1992 Oct 16;35(21):3934-41.
PMID: 1433202 [PubMed - indexed for MEDLINE]


-  **180:** [Barrow CJ, Yasuda A, Kenny PT, Zagorski MG](#) Related Articles, Links

 Solution conformations and aggregational properties of synthetic amyloid beta-peptides of Alzheimer's disease. Analysis of circular dichroism spectra.
J Mol Biol. 1992 Jun 20;225(4):1075-93.
PMID: 1613791 [PubMed - indexed for MEDLINE]


-  **181:** [Zhang J, Wolfe S, Demain AL](#) Related Articles, Links


 Biochemical studies on the activity of delta-(L-alpha-aminoadipyl)-L-cysteinyl-D-valine synthetase from *Streptomyces clavuligerus*.
Biochem J. 1992 May 1;283 (Pt 3):691-8.
PMID: 1590759 [PubMed - indexed for MEDLINE]


-  **182:** [Heyl DL, Mosberg HI](#) Related Articles, Links

 Modification of the Phe3 aromatic moiety in delta receptor-selective dermorphin/deltorphin-related tetrapeptides. Effects on opioid receptor binding.
Int J Pept Protein Res. 1992 May;39(5):450-7.
PMID: 1330964 [PubMed - indexed for MEDLINE]


-  **183:** [Bain JD, Switzer C, Chamberlin AR, Benner SA](#) Related Articles, Links


 Ribosome-mediated incorporation of a non-standard amino acid into a peptide through expansion of the genetic code.
Nature. 1992 Apr 9;356(6369):537-9.
PMID: 1560827 [PubMed - indexed for MEDLINE]


-  **184:** [Hansen DW Jr, Stapelfeld A, Savage MA, Reichman M, Hammond DL, Haaseth RC, Mosberg HI](#) Related Articles, Links

 Systemic analgesic activity and delta-opioid selectivity in [2,6-dimethyl-Tyr1,D-Pen2,D-Pen5]enkephalin.
J Med Chem. 1992 Feb 21;35(4):684-7.
PMID: 1311764 [PubMed - indexed for MEDLINE]


-  **185:** [Di Bello C, Vita C, Gozzini L](#) Related Articles, Links


 Total synthesis of horse heart cytochrome C.
Biochem Biophys Res Commun. 1992 Feb 28;183(1):258-64.
PMID: 1311923 [PubMed - indexed for MEDLINE]

-  **186:** [Beaumont A, Barbe B, Le Moual H, Boileau G, Crine P, Fournie-Zaluski MC, Roques BP](#) Related Articles, Links

 Charge polarity reversal inverses the specificity of neutral endopeptidase-24.11.
J Biol Chem. 1992 Feb 5;267(4):2138-41.

PMID: 1733922 [PubMed - indexed for MEDLINE]


-  **187:** [Millet P, Chizzolini C, Wirtz RA, Bathurst I, Broderon JR, Campbell GH, Collins WE.](#) Related Articles, Links

 **Inhibitory activity against sporozoites induced by antibodies directed against nonrepetitive regions of the circumsporozoite protein of *Plasmodium vivax*.**

Eur J Immunol. 1992 Feb;22(2):519-24.

PMID: 1371470 [PubMed - indexed for MEDLINE]

-  **188:** [Wong CH, Wang KT.](#) Related Articles, Links

 **New developments in enzymatic peptide synthesis.**

Experientia. 1991 Dec 1;47(11-12):1123-9. Review.

PMID: 1765124 [PubMed - indexed for MEDLINE]

-  **189:** [Zechel C, Trivedi D, Hruby VJ.](#) Related Articles, Links

 **Synthetic glucagon antagonists and partial agonists.**

Int J Pept Protein Res. 1991 Aug;38(2):131-8.


PMID: 1664420 [PubMed - indexed for MEDLINE]


-  **190:** [Nakagawa SH, Tager HS.](#) Related Articles, Links

 **Implications of invariant residue LeuB6 in insulin-receptor interactions.**

J Biol Chem. 1991 Jun 25;266(18):11502-9.


PMID: 2050662 [PubMed - indexed for MEDLINE]


-  **191:** [Lyu PC, Sherman JC, Chen A, Kallenbach NR.](#) Related Articles, Links

 **Alpha-helix stabilization by natural and unnatural amino acids with alkyl side chains.**

Proc Natl Acad Sci U S A. 1991 Jun 15;88(12):5317-20.

PMID: 2052608 [PubMed - indexed for MEDLINE]


-  **192:** [Schwartz MA, Venkataraman S, Ghaffari MA, Libby A, Mookhtiar KA, Mallya SK, Birkedal-Hansen H, Van Wart HE.](#) Related Articles, Links

 **Inhibition of human collagenases by sulfur-based substrate analogs.**

Biochem Biophys Res Commun. 1991 Apr 15;176(1):173-9.


PMID: 1850255 [PubMed - indexed for MEDLINE]


-  **193:** [Acher F, Azerad R.](#) Related Articles, Links

 **Synthesis of diastereoisomeric peptides incorporating cycloglutamic acids. Substrate specificity of vitamin K-dependent carboxylation.**

Int J Pept Protein Res. 1991 Mar;37(3):210-9.

PMID: 1678382 [PubMed - indexed for MEDLINE]

-  **194:** [Liu KL, He BL, Xiao SB, Xia QM, Fang X, Wang ZY.](#) Related Articles, Links

 **Synthesis and bioactivities of new LHRH antagonists containing a novel unnatural amino acids at position five.**

Sci China B. 1991 Feb;34(2):201-8.

PMID: 2021421 [PubMed - indexed for MEDLINE]


-  **195:** [Albrecht HP, Hofman HP, Klebe G, Kreiskott H.](#) Related Articles, Links

 **L-dopa potentiating analogs of Pro-Leu-Gly-NH2 with oral efficacy.**

Boll Chim Farm. 1991 Feb;130(2):55-9.


PMID: 1678611 [PubMed - indexed for MEDLINE]

-  **196:** [Celma C, Giralt E.](#) Related Articles, Links

 **Determination of the enantiomeric purity of synthetic peptides by gas chromatography-mass spectrometry.**

J Chromatogr. 1991 Jan 2;562(1-2):447-58.

PMID: 1827449 [PubMed - indexed for MEDLINE]


-  **197:** [Folkers K, Feng DM, Asano N, Hakanson R, Weisenfeld-Hallin Z, Leander S.](#) [Related Articles, Links](#)



Spantide II, an effective tachykinin antagonist having high potency and negligible neurotoxicity.

Proc Natl Acad Sci U S A. 1990 Jun;87(12):4833-5.

PMID: 1693780 [PubMed - indexed for MEDLINE]

-  **198:** [Liu KL, He BL, Xiao SB, Xia QM, Fang X, Wang ZY.](#) [Related Articles, Links](#)



Antagonists of luteinizing hormone releasing hormone with novel unnatural amino acids at position six.

Int J Pept Protein Res. 1990 Feb;35(2):157-60.

PMID: 2182559 [PubMed - indexed for MEDLINE]

-  **199:** [Noren CJ, Anthony-Cahill SJ, Griffith MC, Schultz PG.](#) [Related Articles, Links](#)



A general method for site-specific incorporation of unnatural amino acids into proteins.

Science. 1989 Apr 14;244(4901):182-8.

PMID: 2649980 [PubMed - indexed for MEDLINE]


-  **200:** [Ballatori N, Boyer JL.](#) [Related Articles, Links](#)



Characteristics of L-alanine uptake in freshly isolated hepatocytes of elasmobranch Raja erinacea.

Am J Physiol. 1988 May;254(5 Pt 2):R801-8.

PMID: 3364608 [PubMed - indexed for MEDLINE]

-  **201:** [Iizuka K, Kamijo T, Kubota T, Akahane K, Uneyama H, Kiso Y.](#) [Related Articles, Links](#)



New human renin inhibitors containing an unnatural amino acid, norstatine.

J Med Chem. 1988 Apr;31(4):701-4. No abstract available.

PMID: 3127587 [PubMed - indexed for MEDLINE]


-  **202:** [Nestor JJ Jr, Tabilramani R, Ho TL, McRae GI, Vickery BH.](#) [Related Articles, Links](#)



Potent, long-acting luteinizing hormone-releasing hormone antagonists containing new synthetic amino acids: N,N'-dialkyl-D-homoarginines.

J Med Chem. 1988 Jan;31(1):65-72.

PMID: 2447279 [PubMed - indexed for MEDLINE]


-  **203:** [Tyler ML, Barnett D, Nicholson P, Spence I, Howden ME.](#) [Related Articles, Links](#)



Studies on the subunit structure of textilotoxin, a potent neurotoxin from the venom of the Australian common brown snake (Pseudonaja textilis).

Biochim Biophys Acta. 1987 Sep 24;915(2):210-6.

PMID: 3651474 [PubMed - indexed for MEDLINE]

-  **204:** [Miller KE, Huang CT, Portlock DE, Wright GC.](#) [Related Articles, Links](#)



Angiotensin I converting enzyme inhibitors containing unnatural alpha-amino acid analogues of phenylalanine.

Life Sci. 1987 Jan 5;40(1):63-70.

PMID: 3025541 [PubMed - indexed for MEDLINE]

-  **205:** [Tranter GE.](#) [Related Articles, Links](#)



Parity violation and the origins of biomolecular handedness.

Biosystems. 1987;20(1):37-48.

PMID: 3580532 [PubMed - indexed for MEDLINE]

-  **206:** [Wong BK, Chan HC, Corcoran GB.](#) [Related Articles, Links](#)

Selective effects of N-acetylcysteine stereoisomers on hepatic glutathione



and plasma sulfate in mice.

Toxicol Appl Pharmacol. 1986 Dec;86(3):421-9.
PMID: 3787634 [PubMed - indexed for MEDLINE]

☐ **207:** [Parnes H, Shelton EJ, Huang GT.](#)

[Related Articles, Links](#)



Synthesis of ¹⁴C-labelled peptides by asymmetric reduction of dehydroamino acids.

Int J Pept Protein Res. 1986 Oct;28(4):403-10.
PMID: 3539840 [PubMed - indexed for MEDLINE]

☐ **208:** [Nakagawa SH, Tager HS.](#)

[Related Articles, Links](#)



Role of the phenylalanine B25 side chain in directing insulin interaction with its receptor. Steric and conformational effects.

J Biol Chem. 1986 Jun 5;261(16):7332-41.
PMID: 3519607 [PubMed - indexed for MEDLINE]

☐ **209:** [Berkhout B, van der Laken CJ, van Knippenberg PH.](#)

[Related Articles, Links](#)



Formylmethionyl-tRNA binding to 30 S ribosomes programmed with homopolynucleotides and the effect of translational initiation factor 3.

Biochim Biophys Acta. 1986 Mar 26;866(2-3):144-53.
PMID: 3513840 [PubMed - indexed for MEDLINE]

☐ **210:** [Folkers K, Bowers CY, Tang PF, Kubota M.](#)

[Related Articles, Links](#)



Decapeptides as effective agonists from L-amino acids biologically equivalent to the luteinizing hormone-releasing hormone.

Proc Natl Acad Sci U S A. 1986 Feb;83(4):1070-4.
PMID: 3081889 [PubMed - indexed for MEDLINE]

☐ **211:** [Fantes KH.](#)

[Related Articles, Links](#)



Chemical modifications of human and murine interferons.

Methods Enzymol. 1986;119:233-41.
PMID: 2429145 [PubMed - indexed for MEDLINE]

☐ **212:** [Ho TL, Nestor JJ Jr, McCrae GI, Vickery BH.](#)

[Related Articles, Links](#)



Hydrophobic, aza-glycine analogues of luteinizing hormone-releasing hormone.

Int J Pept Protein Res. 1984 Jul;24(1):79-84.
PMID: 6384085 [PubMed - indexed for MEDLINE]

☐ **213:** [Wapnir RA, Khani DE, Bayne MA, Lifshitz F.](#)

[Related Articles, Links](#)



Absorption of zinc by the rat ileum: effects of histidine and other low-molecular-weight ligands.

J Nutr. 1983 Jul;113(7):1346-54.
PMID: 6864333 [PubMed - indexed for MEDLINE]

☐ **214:** [Nestor JJ Jr, Ho TL, Simpson RA, Horner BL, Jones GH, McCrae GI, Vickery BH.](#)

[Related Articles, Links](#)



Synthesis and biological activity of some very hydrophobic superagonist analogues of luteinizing hormone-releasing hormone.

J Med Chem. 1982 Jul;25(7):795-801.
PMID: 7050383 [PubMed - indexed for MEDLINE]

☐ **215:** [Tarussova NB, Jacovleva GM, Victorova LS, Kukhanova MK, Khomutov RM.](#)

[Related Articles, Links](#)



Synthesis of an unnatural P-N bond catalyzed with Escherichia coli ribosomes.

FEBS Lett. 1981 Jul 20;130(1):85-7. No abstract available.
PMID: 7026287 [PubMed - indexed for MEDLINE]

- ☐ **216:** [Stetler-Stevenson MA, Yang DC, Lipkowski A, McCartney L, Peterson D, Flouret G.](#) [Related Articles, Links](#)
[An approach to the elucidation of metabolic breakdown products of the luteinizing hormone-releasing hormone.](#)
J Med Chem. 1981 Jun;24(6):688-92.
PMID: 7019446 [PubMed - indexed for MEDLINE]
- ☐ **217:** [Frank H, Nicholson GJ, Bayer E.](#) [Related Articles, Links](#)
[Enantiomer labelling, a method for the quantitative analysis of amino acids.](#)
J Chromatogr. 1978 Dec 21;167:187-96.
PMID: 757588 [PubMed - indexed for MEDLINE]
- ☐ **218:** [Borin G, Filippi B, Moroder L, Santoni C, Marchiori F.](#) [Related Articles, Links](#)
[Kinetic and conformational studies on some partially synthetic ribonuclease S' analogues modified in position 8.](#)
Int J Pept Protein Res. 1977;10(1):27-38.
PMID: 881290 [PubMed - indexed for MEDLINE]
- ☐ **219:** [Watanabe H, Kuwata S, Naoe K, Nishida Y.](#) [Related Articles, Links](#)
[A study of unnatural amino acids and their peptides. 3. The synthesis of DL-beta-\(2-pyridyl\)-alpha-alanine and its peptides.](#)
Bull Chem Soc Jpn. 1968 Jul;41(7):1634-8. No abstract available.
PMID: 5716524 [PubMed - indexed for MEDLINE]
- ☐ **220:** [Watanabe H, Kuwata S, Sakata T, Matsumura K.](#) [Related Articles, Links](#)
[Studies of unnatural amino acids and their peptides. II. The syntheses of DL-beta-\(4-thiazolyl\)-alpha-alanine and its peptides.](#)
Bull Chem Soc Jpn. 1966 Nov;39(11):2473-6. No abstract available.
PMID: 5978704 [PubMed - indexed for MEDLINE]
- ☐ **221:** [Young EA, Bowen DO, Dichl JF.](#) [Related Articles, Links](#)
[Transport studies with peptides containing unnatural amino acids.](#)
Biochem Biophys Res Commun. 1964;14:250-5. No abstract available.
PMID: 5836513 [PubMed - indexed for MEDLINE]

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